

c.) Amendments to the Claims

1. (currently amended) In a computer apparatus having a processor and a display for portraying computer-generated graphic objects, the computer being controllable through user interactions with graphic objects on the
5 display, a A method for creating and manipulating graphic charts, said method comprising:

displaying graphic control devices on said display that are controllable by a user to change numeric values of said graphic control devices;

selectively associating each of said graphic control devices to respective
10 numeric settings and text labels so that said numeric values of said graphic control devices correspond to chart components to be displayed in a graphic chart that is being created, including the further steps of;

drawing a first arrow that appears on said display to select at least some of said graphic control devices, and modifying said first arrow to specify a type
15 of graphic chart to be displayed;

and

displaying said chart components on said display of said at least some graphical control devices in said type of graphic chart, each of said chart components visually representing a respective one of said numeric values of
20 said at least some graphic control devices.

2. (currently amended) The method of claim 1 further comprising:

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changing a numeric value of a selected graphic control device of said graphic control device; and

changing the size of one of said chart components on said display that corresponds to said selected graphic control device to reflect said changing of
5 said numeric value.

3. (currently amended) In a computer apparatus having a processor and a display for portraying computer-generated graphic objects, the computer being controllable through user interactions with graphic objects on the
10 display, a A method for creating and manipulating graphic charts, said method comprising:

displaying graphic control devices on said display that are controllable by a user to change numeric values of said graphic control devices;

selectively associating said graphic control devices to a graphic chart to
15 be created so that said numeric values of said graphic control devices correspond to chart components of said graphic chart;

displaying said chart components on said display to create said graphic chart, said chart components visually representing said numeric values of said graphic control devices;

20 deleting a selected graphic control device of said graphic control devices; and

removing from said display a chart component that corresponds to said selected graphic control device from said graphic chart.

4. (currently amended) In a computer apparatus having a processor and a display for portraying computer-generated graphic objects, the computer being controllable through user interactions with graphic objects on the
- 5 display, a A method for creating and manipulating graphic charts, said method comprising:
- displaying graphic control devices on said display that are controllable by a user to change numeric values of said graphic control devices;
- selectively associating said graphic control devices to a graphic chart to
- 10 be created so that said numeric values of said graphic control devices correspond to chart components of said graphic chart;
- displaying said chart components on said display to create said graphic chart, said chart components visually representing said numeric values of said graphic control devices;
- 15 associating an additional graphic control device having a numeric value to said graphic chart; and
- inserting an additional chart component into said graphic chart on said display in response to said associating of said additional graphic control device, said additional chart component corresponding to said additional
- 20 graphic control device such that said numeric value of said additional graphic control device is visually represented by said additional chart component.

5. (original) The method of claim 1 wherein said displaying of said graphic control devices includes programming said graphic control devices with at least one of text and numeric value.

5 6. (currently amended) The method of claim 1 further comprising displaying a chart key on said display that corresponds to said graphic chart, said chart key including informational data associated with said chart components of said graphic chart.

10 7. (original) The method of claim 6 wherein said informational data associated with said chart components included in said chart key comprises one of label, color, relative percentage, and a numeric value.

15 8. (currently amended) The method of claim 6 further comprising:
changing an element of said informational data; and
changing related elements in said graphic control devices and said graphic chart on said display in response to said changing of said element of said informational data.

20 9. (currently amended) The method of claim 6 further comprising:
changing a numeric value of a selected graphic control device of said graphic control device;

changing the size of one of said chart components on said display that corresponds to said selected graphic control device in response to said changing of said numeric value; and

changing said information data included in said chart key to reflect said
5 changing of said numeric value.

10. (currently amended) In a computer apparatus having a processor and a display for portraying computer-generated graphic objects, the computer being controllable through user interactions with graphic objects on the
10 display, a A method for creating and manipulating graphic charts, said method comprising:

displaying graphic control devices on said display that are controllable by a user to change numeric values of said graphic control devices;

selectively associating said graphic control devices to a graphic chart to
15 be created so that said numeric values of said graphic control devices correspond to chart components of said graphic chart;

displaying said chart components on said display to create said graphic chart, said chart components visually representing said numeric values of said graphic control devices;

20 associating an additional graphic control device having a numeric value to said graphic chart and a second graphic chart; and

inserting a first additional chart component into said graphic chart on
said display and a second additional chart component into said second graphic
chart on said display in response to said associating of said additional graphic
control device, said first and second additional chart components
5 corresponding to said additional graphic control device such that said numeric
value of said additional graphic control device is visually represented on said
display by said first and second additional chart components.

11. (original) The method of claim 10 further comprising:
10 changing said numeric value of said additional graphic control device;
and
changing the size of said first and second additional chart components to
reflect said changing of said numeric value.

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12. (currently amended) The method of claim 10 further comprising
displaying a first chart key on said display that corresponds to said graphic
chart and a second chart key on said display that corresponds to said second
graphic chart, said first chart key including first informational data associated
20 with chart components of said graphic chart, said second chart key including
second informational data associated with chart components of said second
graphic chart.

13. (original) The method of claim 12 further comprising:
 changing an element of said first informational data associated with said
 additional graphic control device; and
 changing related elements in said additional graphic control device, said
 5 graphic chart, said second graphic chart, and said second information data in
 response to said changing of said element of said first informational data.

14. (currently amended) ~~A storage medium readable by a computer,~~
~~tangibly embodying a program of instructions executable by said computer to~~
 10 ~~perform method steps for creating and manipulating graphic charts; In a~~
~~computer apparatus having a processor and a display for portraying computer-~~
~~generated graphic objects, the computer being controllable through user~~
~~interactions with graphic objects on the display, a method for creating and~~
~~manipulating graphic charts on the display,~~
 15 said method steps comprising:
 displaying graphic control devices on said display that are controllable
 by a user to change numeric values of said graphic control devices;
 selectively associating said graphic control devices to a graphic chart to
 be created so that each of said numeric values of said graphic control devices
 20 correspond to a respective one of the chart components of said graphic chart;
 said step of selectively associating said graphic control devices to a
 graphic chart including drawing a first arrow to select at least some of said
 graphic control devices, and modifying said first arrow to specify a type of
 graphic chart to be displayed;

and

displaying said chart components on said display corresponding to said
at least some graphical control devices in said type of graphic chart, said chart
components visually representing said numeric values of said at least some
5 graphic control devices.

15. (currently amended) The ~~storage-medium~~ computer apparatus of
claim 14 further comprising:

changing a numeric value of a selected graphic control device of said
10 graphic control device; and

changing the size of one of said chart components that corresponds to
said selected graphic control device to reflect said changing of said numeric
value.

16. (currently amended) ~~A storage-medium readable by a computer,
15 tangibly embodying a program of instructions executable by said computer to
perform method steps for creating and manipulating graphic charts,) In a
computer apparatus having a processor and a display for portraying computer-
generated graphic objects, the computer being controllable through user
interactions with graphic objects on the display, a method for creating and
20 manipulating graphic charts on the display, said method steps comprising:~~

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displaying graphic control devices on said display that are controllable by a user to change numeric values of said graphic control devices;

selectively associating said graphic control devices to a graphic chart to be created so that said numeric values of said graphic control devices

5 correspond to chart components of said graphic chart;

displaying said chart components on said display to create said graphic chart, said chart components visually representing said numeric values of said graphic control devices;

deleting a selected graphic control device of said graphic control devices;

10 and

removing a chart component on said display that corresponds to said selected graphic control device from said graphic chart.

17. (currently amended) ~~A storage medium readable by a computer, tangibly embodying a program of instructions executable by said computer to perform method steps for creating and manipulating graphic charts,)~~ In a computer apparatus having a processor and a display for portraying computer-generated graphic objects, the computer being controllable through user interactions with graphic objects on the display, a method for creating and
20 manipulating graphic charts on the display, said method steps comprising:

displaying graphic control devices on said display that are controllable by a user to change numeric values of said graphic control devices;

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selectively associating said graphic control devices to a graphic chart to be created so that said numeric values of said graphic control devices correspond to chart components of said graphic chart;

displaying said chart components on said display to create said graphic
5 chart, said chart components visually representing said numeric values of said graphic control devices;

associating an additional graphic control device having a numeric value to said graphic chart; and

inserting an additional chart component into said graphic chart on said
10 display in response to said associating of said additional graphic control device, said additional chart component corresponding to said additional graphic control device such that said numeric value of said additional graphic control device is visually represented by said additional chart component.

15 18. (currently amended) The ~~storage medium~~ computer apparatus of claim 14 wherein said displaying of said graphic control devices includes programming said graphic control devices with at least one of text and numeric value.

20 19. (currently amended) The ~~storage medium~~ computer apparatus of claim 14 further comprising displaying a chart key on said display that

corresponds to said graphic chart, said chart key including informational data associated with said chart components of said graphic chart.

20. (currently amended) The ~~storage-medium computer apparatus~~ of
5 claim 19 wherein said informational data associated with said chart
components included in said chart key comprises one of label, color, relative
percentage, and a numeric value

10 21. (currently amended) The ~~storage-medium computer apparatus~~ of
claim 19 further comprising:
changing an element of said informational data; and
changing related elements in said graphic control devices and said
graphic chart in response to said changing of said element of said informational
15 data.

22. (currently amended) The ~~storage-medium computer apparatus~~ of
claim 19 further comprising:
changing a numeric value of a selected graphic control device of said
graphic control device;
20 changing the size of one of said chart components that corresponds to
said selected graphic control device in response to said changing of said
numeric value; and

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changing said information data included in said chart key to reflect said changing of said numeric value.

23. (currently amended) ~~A storage medium readable by a computer,~~
5 ~~tangibly embodying a program of instructions executable by said computer to~~
~~perform method steps for creating and manipulating graphic charts. In a~~
~~computer apparatus having a processor and a display for portraying computer-~~
~~generated graphic objects, the computer being controllable through user~~
~~interactions with graphic objects on the display, a method for creating and~~
10 ~~manipulating graphic charts on the display, said method steps comprising:~~

displaying graphic control devices on said display that are controllable
by a user to change numeric values of said graphic control devices;

selectively associating said graphic control devices to a graphic chart to
be created so that each of said numeric values of said graphic control devices
15 correspond to chart components of said graphic chart;

displaying said chart components to create said graphic chart, said chart
components visually representing said numeric values of said graphic control
devices;

associating an additional graphic control device having a numeric value
20 to said graphic chart and a second graphic chart; and

inserting a first additional chart component into said graphic chart on
said display and a second additional chart component into said second graphic
chart on said display in response to said associating of said additional graphic

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control device, said first and second additional chart components corresponding to said additional graphic control device such that said numeric value of said additional graphic control device is visually represented by said first and second additional chart components.

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24. (currently amended) The ~~storage-medium~~ computer apparatus of claim 23 further comprising:

changing said numeric value of said additional graphic control device;
and

10 changing the size of said first and second additional chart components to reflect said changing of said numeric value.

25. (currently amended) The ~~storage-medium~~ computer apparatus of claim 23 further comprising displaying a first chart key that corresponds to said
15 graphic chart and a second chart key that corresponds to said second graphic chart, said first chart key including first informational data associated with chart components of said graphic chart, said second chart key including second informational data associated with chart components of said second graphic chart.

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26. (currently amended) The ~~storage-medium~~ computer apparatus of claim 25 further comprising:

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changing an element of said first informational data associated with said additional graphic control device; and

changing related elements in said additional graphic control device, said graphic chart, said second graphic chart, and said second information data in
5 response to said changing of said element of said first informational data.

27. (currently amended) The method of claim 1, wherein said modifying step includes drawing a second, modifier arrow to intersect said first arrow, displaying a text cursor at the head end of said modifier arrow, and
10 entering at said text cursor a modifier word that describes said type of graphic chart.

28. (currently amended) The ~~storage-medium~~ computer apparatus of claim 14, wherein said modifying step includes drawing a second, modifier
15 arrow to intersect said first arrow, displaying a text cursor at the head end of said modifier arrow, and entering at said text cursor a modifier word that describes said type of graphic chart.